

CHATILLON™ TCD 200

- TENSION & COMPRESSION
- CAPACITY: 200 lbf / 100 kgf / 1000 N
- FORCE & DEFLECTION TESTING
- UP-FRONT KEYPAD & LCD DISPLAYS
- DUAL DISPLAY - FORCE, TRAVEL & SPEED
- MANUAL OR PROGRAMMED OPERATION
- FORCE & TRAVEL DATA OUTPUT
- REMOTE COMPUTER CONTROL
- AUTOMATIC CYCLING
- MATERIAL TESTING & FORCE ANALYSIS
- OVERLOAD PROTECTION - FORCE LIMITS
- ADVANCED DFS FORCE GAUGE
- TCD 200 AND DFS FORCE GAUGE: \$7125

CONSTRUCTION

- Rugged all metal construction.
- Horizontal clearance: 2 1/4 inches [60 mm].
- Vertical travel: 18 inches [460 mm].
- Five variable speeds; 0.5 to 12.5 in/min standard.
- Speed, deflection, units, cycles and limits displays.
- Up-front keypad and 0.5" dual LCD displays.
- Force display and controls on force gauge.
- Ball screw drive for precise linear motion.
- Dynamic braking for controlled stops.
- Standard mounting for Chatillon force gauges.

OPERATION

- Manual or programmed operation.
- Up-front keypad or remote computer control.
- Send force and deflection at keyboard or computer.
- Up and down at selected speed.
- Maximum and minimum speed selection.
- Mechanical high and low travel limits.
- Cycling between upper and lower limits to 1000.
- High and low force limits set at force gauge.
- Material testing and force analysis software.

DATA OUTPUT

- Bi-directional RS232 outputs: force and deflection.
- Analog outputs: force and deflection.

POWER REQUIREMENTS

- 110 Vac/220 Vac operation.

ACCESSORIES

- Optional: Mounting adapters, cables, software and grips.

ACCURACY

- Force: ± 0.1% of full scale.
- Deflection greater of: ± 0.1% of Reading or ± 0.004".
- Speed: ± 5% of full scale.

WEIGHT & DIMENSIONS

- 42 lb [19 kg]
- 35" [900 mm] H x 14" [350 mm] W x 16" [400 mm] D

Prices and specifications are subject to change without notice.

TCD 200 Motorized
Digital Force Test Stand



The TCD 200 is an advanced motorized force tester featuring the DFS Force Gauge and front panel control of tension and compression testing with digital force, travel and speed displays.

The DFS Force Gauge displays force while travel and speed are displayed on two up-front LCD panels. Programming of test speed, high and low travel setpoints, cycling and other basic functions is done at the keypad.

Using the DFS Force Gauge, force setpoints are programmed to stop or cycle the TCD 200 between setpoints.

External control of the DFS Force Gauge and the TCD 200 is provided with bi-directional RS232 from a computer keyboard. Optional Nexygen material testing and force analysis software provides data logging and graphing of force and travel.

MODEL	DESCRIPTION	PRICE
TCD 200-STD	Standard Speed - 0.5 to 12.5 in/min	\$7125.00*
TCD 200-SS	Slow Speed - 0.02 to 0.5 in/min	7125.00*
TCD 200-MS	Medium Speed - 0.1 to 2.5 in/min	7125.00*
TCD 200-MH	Medium High Speed - 1.0 to 25.0 in/min	7125.00*
TCD 200-HS	High Speed - 2.0 to 50.0 in/min	7125.00*

*Includes one DFS Force Gauge of any capacity, NC000647 Cable and Nexygen DF Gauge Software.

MODEL	DFS DIGITAL FORCE GAUGE	PRICE
DFS-002	2 x 0.0002 lbf 1 x 0.0001 kgf 10 x 0.001 N	\$1450.00*
DFS-010	10 x 0.001 lbf 5 x 0.0005 kgf 50 x 0.005 N	1450.00*
DFS-025	25 x 0.002 lbf 10 x 0.001 kgf 100 x 0.01 N	1450.00*
DFS-050	50 x 0.005 lbf 25 x 0.002 kgf 250 x 0.02 N	1450.00*
DFS-100	100 x 0.01 lbf 50 x 0.005 kgf 500 x 0.05 N	1450.00*
DFS-200	200 x 0.02 lbf 100 x 0.01 kgf 1000 x 0.1 N	1450.00*

*One DFS Digital Force Gauge of any capacity is included with each TCD 200.

MODEL	OPTIONAL ACCESSORIES	PRICE
NC000647	Cable - DFS to TCD (9 pin) - 6'	\$195.00*
NC000875	Cable - TCD to PC (9 pin) - 9'	55.00
NC002868	Software - Material Testing Nexygen	895.00

*Included with each TCD 200, the NC000647 Cable provides force gauge overload protection and communication.

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CALL TOLL FREE: 800 345-4188

